		Variable site	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
GenBank accession numbers	Species	Nucleotide number [GenBank: FJ828575-FJ828583]	26	27	32	36	37	38	68	71	72	110	112	132	158	164-165	172	174	175	186	190	192	193	195	196	203	205	223	229	231	253	259	260	261	266	267	269	270	271	273	274	282	283	293	294	295	299	300	317	348	349
>FJ828575 BBUEGY	Water buffaloes	Buffalo haplotype 1	C	G	C	C	T	A	T		T		T					C	G	C	C	C	A	C		A	T	A	A	T	A	C	C	A			C		A	C	T	T		T	T	A	A	C		T
>FJ828576 BBUEGY																																			C									A						
>FJ828577 BBUEGY																																				C														
>FJ828578 BBUEGY																																																		
>FJ828579 BBUEGY																																																		
>FJ828580 BBUEGY																																																		
>FJ828581 BBUEGY														G																																				
>FJ828582 BBUEGY																																											A							
>FJ828583 BBUEGY										C		G		G			T							G													C		C									C		
>EU760478BBU																																																		
>AJ490502BBU																																																		
>EU908276BBU																																																		
>AJ457159BBU																																																		
>DQ867005BBU																																																		
>AY702618 Swamp		Buffalo haplotype 2													A								T																												
>AF231028 BBU					T						C																								T								G							
>AY488491 BBU																																																		
>V00654 Bos taurus	*Bos taurus*	*Bos taurus*			C					T	T	A		A			A				T			A						C					A	T		A	G				d		C	C			T	
>EU851893 Bos taurus																																																		
>AB074963 Bos taurus JBC2																		A		T	T		G																G											
>AF492351 Bos taurus																																																		
>AJ885201 Bos taurus																																																		
>EU851892 Bos taurus																																																		
>AJ000850 Ovis aries	*Ovis aries*	*Ovis aries*	C	G		C	C	G	C				C					C	T	C			A	C		G		G		T				A			T		A	T	C	C		T	T			G			C
>AJ849534 Ovis aries																																																		
>AF010406 Ovis aries																																																		
>AY858379 Ovis aries																																																		
>EU851895 Ovis aries																A	G				A							G		d							T										G			
>AJ885200 Ovis aries																																																		
>AY670663 Ovis aries																																																		
>AJ490503 Ovis aries																																																		
>AF091699 Ovis aries																																																		
>AJ885199 Capra hircus	*Capra hircus*	*Capra hircus*															A				C	C					C		A									A	d								G		T		T
>AJ849535 Capra hircus																																																		
>M55541 Capra hircus																											C			C	T	T																		
>EU851902 Capra hircus																																																		
>DQ867007 Capra hircus																																																		

Figure 1: Multiple sequence alignment results showing the detected variable sites between the specific Egyptian buffalo 12S rRNA fragment [GenBank: FJ828575-FJ828583] and examples of homologous sequences from water buffaloes (BBU), Cattle (*Bos taurus* & JBC), Sheep (*Ovis aries*) and goat (*Capra hircus*).